

133-02 US SEQ LIST 20nov2003.ST25.txt
SEQUENCE LISTING

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McMillan, Robert A.
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Payne, Sonha C.

<120> PLASTIC AND ELASTIC PROTEIN COPOLYMERS

<130> 133-02 US

<150> US 60/428,438
<151> 2002-11-22

<150> CA 2,417,634
<151> 2003-01-29

<150> JP 2003-98691
<151> 2003-04-01

<150> AU 2003236491
<151> 2003-08-27

<160> 68

<170> PatentIn version 3.2

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<220>
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<220>
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<400> 2

Val Pro Gly Val gly
1 5

<210> 3
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<213> Artificial

<220>

<223> Synthetic construct

<400> 3

Ala Pro Gly Val Gly Val
1 5

<210> 4

<211> 10

<212> PRT

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<220>

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<220>

<221> REPEAT

<222> (2)..(6)

<223> Repeat residues 2 to 6; total of 19 repeat units.

G-(VPGVG)19-VPGV

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Val Pro Ala Val Gly
1 5

<210> 6

<211> 5

<212> PRT

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<220>

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Ile Pro Ala Val Gly
1 5

<210> 7

<211> 5

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<220>
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Val Pro Asn Val Gly
1 5

<210> 8
<211> 25
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<220>
<223> synthetic construct.

<400> 8

Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val
1 5 10 15

Pro Asn Val Gly Val Pro Asn Val Gly
20 25

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<220>
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<222> (1)..(25)
<223> [VPAVG(IPAVG)4]n

<400> 9

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1 5 10 15

Pro Ala Val Gly Ile Pro Ala Val Gly
20 25

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 <221> REPEAT
 <222> (1)..(25)
 <223> [(IPAVG)4(VPAVG)]n

<400> 10

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 1 5 10 15

Pro Ala Val Gly Val Pro Ala Val Gly
 20 25

<210> 11
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 <213> Artificial

<220>
 <223> Synthetic construct

<400> 11

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 1 5 10 15

Pro Ala Val Gly Ile Pro Ala Val Gly
 20 25

<210> 12
 <211> 25
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 <213> Artificial

<220>
 <223> Synthetic construct

<400> 12

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 1 5 10 15

Pro Ala Val Gly Val Pro Ala Val Gly
 20 25

<210> 13
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 <212> PRT
 <213> Artificial

<220>
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<400> 13

Val Pro Gly Glu Gly
 1 5

<210> 14
 <211> 25
 <212> PRT
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<220>
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<400> 14

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
 20 25

<210> 15
 <211> 25
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 <213> Artificial

<220>
 <223> Synthetic construct

<400> 15

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Glu Gly
 20 25

<210> 16
 <211> 25
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<220>
 <223> Synthetic construct

<220>
 <221> REPEAT
 <222> (1)..(25)
 <223> [(VPGEG)(VPGVG)4]m;
 alternatively [VPGEGVPGVG VPGVGVPVG VPGVG]m

<400> 16

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
 20 25

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<210> 17
 <211> 25
 <212> PRT
 <213> Artificial

<220>
 <223> synthetic construct

<220>
 <221> REPEAT
 <222> (1)..(25)
 <223> [VPGVGVPGVG VPGVGVPGVG VPGEg]m

<400> 17

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Glu Gly
 20 25

<210> 18
 <211> 25
 <212> PRT
 <213> Artificial

<220>
 <223> synthetic construct

<400> 18

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
 20 25

<210> 19
 <211> 25
 <212> PRT
 <213> Artificial

<220>
 <223> synthetic construct

<220>
 <221> REPEAT
 <222> (1)..(25)
 <223> [(VPGVG)2 VPGEg (VPGVG)2]m

<400> 19

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
 20 25

<210> 20
 <211> 25
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct

<220>
 <221> REPEAT
 <222> (1)..(25)
 <223> Repeat [VPGVGVPGIG VPGVGVPGIG VPGVG] for a total of 19 units
 alternatively [VPGVG(VPGIGVPGVG)2]19

<400> 20

Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Ile Gly Val Pro Gly Val Gly
 20 25

<210> 21
 <211> 485
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct

<400> 21

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro
 20 25 30

Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly
 35 40 45

Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile
 50 55 60

Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly
 65 70 75 80

Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val
 85 90 95

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Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
100 105 110

Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly
115 120 125

Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val
130 135 140

Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
145 150 155 160

Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro
180 185 190

Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro
260 265 270

Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
275 280 285

Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val
290 295 300

Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly
305 310 315 320

Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
325 330 335

Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro
340 345 350

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Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly
355 360 365

Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val
370 375 380

Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly
385 390 395 400

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val
405 410 415

Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro
420 425 430

Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly
435 440 445

Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile
450 455 460

Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly
465 470 475 480

Val Pro Gly Val Gly
485

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<212> DNA
<213> Artificial

<220>
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<400> 22
ctcttc

6

<210> 23
<211> 760
<212> PRT
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<220>
<223> Synthetic construct

<400> 23

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
1 5 10 15

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Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
20 25 30

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
35 40 45

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
50 55 60

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
65 70 75 80

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
85 90 95

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
100 105 110

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
115 120 125

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
130 135 140

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
145 150 155 160

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
180 185 190

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
260 265 270

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Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
275 280 285

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
290 295 300

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
305 310 315 320

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
325 330 335

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
340 345 350

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
355 360 365

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
370 375 380

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
385 390 395 400

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
405 410 415

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
420 425 430

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
435 440 445

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
450 455 460

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
465 470 475 480

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
485 490 495

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
500 505 510

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly

515

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
530 535 540

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
545 550 555 560

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
565 570 575

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
580 585 590

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
595 600 605

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
610 615 620

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
625 630 635 640

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
645 650 655

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
660 665 670

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
675 680 685

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
690 695 700

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
705 710 715 720

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
725 730 735

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
740 745 750

Gly Val Gly Val Pro Gly Val Gly
755 760

<210> 24
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<400> 24

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Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 20 25 30

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 35 40 45

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 50 55 60

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 65 70 75 80

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 85 90 95

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 100 105 110

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 115 120 125

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 130 135 140

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 145 150 155 160

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 180 185 190

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
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Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
260 265 270

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
275 280 285

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
290 295 300

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
305 310 315 320

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
325 330 335

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
340 345 350

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
355 360 365

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
370 375 380

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
385 390 395 400

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
405 410 415

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
420 425 430

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
435 440 445

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
450 455 460

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 465 470 475 480
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 485 490 495
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 500 505 510
 Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 515 520 525
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 530 535 540
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 545 550 555 560
 Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 565 570 575
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 580 585 590
 Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 595 600 605
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 610 615 620
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 625 630 635 640
 Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 645 650 655
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 660 665 670
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 675 680 685
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 690 695 700
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 705 710 715 720

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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 725 730 735
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 740 745 750
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 755 760 765
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 770 775 780
 Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 785 790 795 800
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 805 810 815
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 820 825 830
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 835 840 845
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 850 855 860
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 865 870 875 880
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 885 890 895
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 900 905 910
 Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 915 920 925
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
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 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
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<210> 25
 <211> 1210

<212> PRT
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<220>
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<400> 25

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 20 25 30

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 35 40 45

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 50 55 60

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 65 70 75 80

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 85 90 95

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 100 105 110

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 115 120 125

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 130 135 140

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 145 150 155 160

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 165 170 175

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 180 185 190

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 210 215 220

133-02 US SEQ LIST 20nov2003.ST25.txt

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 225 230 235 240
 Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 245 250 255
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 260 265 270
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 275 280 285
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 290 295 300
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 305 310 315 320
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 325 330 335
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 340 345 350
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 355 360 365
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 370 375 380
 Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 385 390 395 400
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 405 410 415
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 420 425 430
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 435 440 445
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 450 455 460
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 465 470 475 480

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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
485 490 495

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
500 505 510

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
515 520 525

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
530 535 540

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
545 550 555 560

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
565 570 575

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
580 585 590

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
595 600 605

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
610 615 620

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
625 630 635 640

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
645 650 655

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
660 665 670

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
675 680 685

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
690 695 700

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
705 710 715 720

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val

725

730

735

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 740 745 750

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 755 760 765

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 770 775 780

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 785 790 795 800

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 805 810 815

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 820 825 830

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 835 840 845

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 850 855 860

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 865 870 875 880

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 885 890 895

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 900 905 910

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 915 920 925

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 930 935 940

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 945 950 955 960

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 965 970 975

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 980 985 990

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 995 1000 1005

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 1010 1015 1020

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1025 1030 1035

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 1040 1045 1050

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1055 1060 1065

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1070 1075 1080

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 1085 1090 1095

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1100 1105 1110

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 1115 1120 1125

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1130 1135 1140

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1145 1150 1155

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 1160 1165 1170

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1175 1180 1185

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
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Val Gly Val Pro Gly Val Gly
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<210> 26
 <211> 35
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct

<220>
 <221> REPEAT
 <222> (6)..(30)
 <223> Repeat residues 6 to 30; total of 30 repeat units.

VPGVG[(VPGVG)2 VPGE (VPGVG)2]30 VPGVG

<400> 26

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 20 25 30

Gly Val Gly
 35

<210> 27
 <211> 35
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct

<220>
 <221> REPEAT
 <222> (6)..(30)
 <223> Repeat residues 6 to 30; total of 38 units.

VPGVG[(VPGVG)2 VPGE (VPGVG)2]38 VPGVG

<400> 27

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 20 25 30

Gly Val Gly
 35

<210> 28
 <211> 35

<212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct

<220>
 <221> REPEAT
 <222> (6)..(30)
 <223> Repeat residues 6 to 30; total of 48 units.

VPGVG[(VPGVG)2 VPGE (VPGVG)2]48 VPGVG

<400> 28

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 1 5 10 15

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 20 25 30

Gly Val Gly
 35

<210> 29
 <211> 35
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct.

<220>
 <221> REPEAT
 <222> (6)..(30)
 <223> Repeat residues 6 to 30; total of 12 units.

VPGVG [(VPGVG)(VPNVG)4]12 VPGVG

<400> 29

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Asn Val Gly Val
 1 5 10 15

Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro
 20 25 30

Gly Val Gly
 35

<210> 30
 <211> 310
 <212> PRT
 <213> Artificial

<220>

<223> synthetic construct.

<400> 30

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Asn Val Gly Val
1 5 10 15

Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro
20 25 30

Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn
35 40 45

Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro Asn Val
50 55 60

Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly
65 70 75 80

Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val
85 90 95

Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro
100 105 110

Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn
115 120 125

Val Gly Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val
130 135 140

Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly
145 150 155 160

Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val
165 170 175

Pro Asn Val Gly Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro
180 185 190

Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Gly
195 200 205

Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val
210 215 220

Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro Asn Val Gly
225 230 235 240

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Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val
245 250 255

Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro
260 265 270

Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro Asn
275 280 285

Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val
290 295 300

Gly Val Pro Gly Val Gly
305 310

<210> 31
<211> 12
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<220>
<221> REPEAT
<222> (1)..(12)

<400> 31

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
1 5 10

<210> 32
<211> 22
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<220>
<221> REPEAT
<222> (6)..(17)
<223> Repeat residues 6 to 17; total of 2 x 23 = 46 units.

VPGVG [(APGGVPGGAPGG)2]23 VPGVG

<400> 32

Val Pro Gly Val Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
1 5 10 15

Gly Val Pro Gly Val Gly
20

<210> 33
<211> 562
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 33

Val Pro Gly Val Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
1 5 10 15

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
20 25 30

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
35 40 45

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
50 55 60

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
65 70 75 80

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
85 90 95

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
100 105 110

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
115 120 125

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
130 135 140

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
145 150 155 160

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
165 170 175

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
180 185 190

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
Page 26

195

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
210 215 220

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
225 230 235 240

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
245 250 255

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
260 265 270

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
275 280 285

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
290 295 300

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
305 310 315 320

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
325 330 335

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
340 345 350

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
355 360 365

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
370 375 380

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
385 390 395 400

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
405 410 415

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
420 425 430

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
435 440 445

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
450 455 460

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
465 470 475 480

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
485 490 495

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
500 505 510

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
515 520 525

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
530 535 540

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
545 550 555 560

Val Gly

<210> 34
<211> 22
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<220>
<221> REPEAT
<222> (6)..(17)
<223> Repeat residues 6 to 17; total of 2 x 30 = 60 units.

VPGVG [(APGGVPGGAPGG)2]30 VPGVG

<400> 34

Val Pro Gly Val Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
1 5 10 15

Gly Val Pro Gly Val Gly
20

<210> 35
<211> 730
<212> PRT
<213> Artificial

<220>

<223> Synthetic construct.

<400> 35

Val Pro Gly Val Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 1 5 10 15

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 20 25 30

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 35 40 45

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 50 55 60

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 65 70 75 80

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 85 90 95

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 100 105 110

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 115 120 125

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 130 135 140

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 145 150 155 160

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 165 170 175

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 180 185 190

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 195 200 205

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 210 215 220

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 225 230 235 240

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
245 250 255

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
260 265 270

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
275 280 285

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
290 295 300

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
305 310 315 320

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
325 330 335

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
340 345 350

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
355 360 365

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
370 375 380

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
385 390 395 400

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
405 410 415

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
420 425 430

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
435 440 445

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
450 455 460

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
465 470 475 480

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
490 495 500

485

490

495

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 500 505 510

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 515 520 525

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 530 535 540

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 545 550 555 560

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 565 570 575

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 580 585 590

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 595 600 605

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 610 615 620

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 625 630 635 640

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 645 650 655

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 660 665 670

Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly
 675 680 685

Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly
 690 695 700

Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly
 705 710 715 720

Gly Ala Pro Gly Gly Val Pro Gly Val Gly
 725 730

<210> 36
 <211> 10
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct.

<400> 36

Ile Pro Gly Val Gly Val Pro Gly Val Gly
 1 5 10

<210> 37
 <211> 25
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct.

<220>
 <221> REPEAT
 <222> (1)..(25)

<400> 37

Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
 20 25

<210> 38
 <211> 475
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct.

<400> 38

Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile
 1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro
 20 25 30

Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly
 35 40 45

Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val
 50 55 60

Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
65 70 75 80

Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val
85 90 95

Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro
100 105 110

Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
115 120 125

Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val
130 135 140

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly
145 150 155 160

Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Val
165 170 175

Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Ile Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Ile
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro
260 265 270

Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly
275 280 285

Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
290 295 300

Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly
305 310 315 320

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Val Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val
325 330 335

Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
340 345 350

Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly
355 360 365

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val
370 375 380

Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly
385 390 395 400

Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile
405 410 415

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Ile Pro
420 425 430

Gly Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly
435 440 445

Val Gly Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val
450 455 460

Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly
465 470 475

<210> 39
<211> 10
<212> DNA
<213> Artificial

<220>
<223> Synthetic construct

<220>
<221> misc_feature
<222> (7)..(10)
<223> n is a, c, g, or t

<400> 39
ctcttcnnnn

10

<210> 40
<211> 25
<212> PRT
<213> Artificial

<220>
<223> synthetic construct.

<220>
<221> REPEAT
<222> (1)..(25)

<400> 40

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
20 25

<210> 41
<211> 750
<212> PRT
<213> Artificial

<220>
<223> synthetic construct.

<400> 41

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
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35 40 45

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
50 55 60

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
65 70 75 80

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
85 90 95

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
100 105 110

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
115 120 125

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
130 135 140

133-02 US SEQ LIST 20nov2003.ST25.txt

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
145 150 155 160

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
165 170 175

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
260 265 270

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
275 280 285

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
290 295 300

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
305 310 315 320

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
325 330 335

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
340 345 350

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
355 360 365

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
370 375 380

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly

385

390

395

400

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 405 410 415
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 420 425 430
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 435 440 445
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 450 455 460
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 465 470 475 480
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 485 490 495
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 500 505 510
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 515 520 525
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 530 535 540
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 545 550 555 560
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 565 570 575
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 580 585 590
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 595 600 605
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 610 615 620
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 625 630 635 640

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
645 650 655

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
660 665 670

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
675 680 685

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
690 695 700

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
705 710 715 720

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
725 730 735

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
740 745 750

<210> 42
<211> 1200
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 42

Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
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Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
20 25 30

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
35 40 45

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
50 55 60

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
65 70 75 80

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
85 90 95

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
Page 38

100

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
115 120 125

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
130 135 140

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
145 150 155 160

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
165 170 175

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
180 185 190

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
195 200 205

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
210 215 220

Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
225 230 235 240

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
245 250 255

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
260 265 270

Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
275 280 285

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
290 295 300

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
305 310 315 320

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
325 330 335

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
340 345 350

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 355 360 365
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 370 375 380
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 385 390 395 400
 Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 405 410 415
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 420 425 430
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 435 440 445
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 450 455 460
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 465 470 475 480
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 485 490 495
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 500 505 510
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 515 520 525
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 530 535 540
 Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 545 550 555 560
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 565 570 575
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 580 585 590
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 595 600 605

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Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 610 615 620
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 625 630 635 640
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 645 650 655
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 660 665 670
 Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 675 680 685
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 690 695 700
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 705 710 715 720
 Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 725 730 735
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 740 745 750
 Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 755 760 765
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 770 775 780
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 785 790 795 800
 Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 805 810 815
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 820 825 830
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 835 840 845
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 850 855 860

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
865 870 875 880

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
885 890 895

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
900 905 910

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
915 920 925

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
930 935 940

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
945 950 955 960

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
965 970 975

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
980 985 990

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
995 1000 1005

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1010 1015 1020

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
1025 1030 1035

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1040 1045 1050

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1055 1060 1065

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1070 1075 1080

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1085 1090 1095

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly

1100

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1115 1120 1125

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1130 1135 1140

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1145 1150 1155

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1160 1165 1170

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
1175 1180 1185

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
1190 1195 1200

<210> 43
<211> 528
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 43

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
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Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
20 25 30

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
35 40 45

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
50 55 60

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
65 70 75 80

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
85 90 95

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
100 105 110

133-02 US SEQ LIST 20nov2003.ST25.txt

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
115 120 125

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
130 135 140

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
145 150 155 160

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
165 170 175

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
180 185 190

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
195 200 205

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
210 215 220

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
225 230 235 240

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
245 250 255

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
260 265 270

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
275 280 285

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
290 295 300

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
305 310 315 320

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
325 330 335

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
340 345 350

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
360 365 370

355

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
370 375 380

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
385 390 395 400

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
405 410 415

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
420 425 430

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
435 440 445

Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly
450 455 460

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
465 470 475 480

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly
485 490 495

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500 505 510

Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
515 520 525

<210> 44
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<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<220>
<221> REPEAT
<222> (1)..(5)
<223> [(VPGMG)5]x; wherein x is from about 10 to about 100

<400> 44

Val Pro Gly Met Gly
1 5

<210> 45
 <211> 106
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic construct.

 <400> 45
 aagcttgaag acgttccagg tgcaggcgta ccgggtgctg gcgttccggg tgaagggtgtt 60
 ccaggcgcag gtgtaccggg tgcgggtgtt ccaagagacg ggatcc 106

 <210> 46
 <211> 106
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic construct.

 <400> 46
 aagcttgaag acgttccagg ttccggcatc ccgggtgtag gtatcccagg cgttgggtatt 60
 ccgggtgtag gcatccctgg cgttggcggt ccaagagacg ggatcc 106

 <210> 47
 <211> 106
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic construct.

 <400> 47
 aagcttgaag acattccagc tgttggtatc ccggctgttg gtatcccagc tgttggcatt 60
 ccggctgtag gtatcccggc tgttggtatt ccaagagacg ggatcc 106

 <210> 48
 <211> 57
 <212> DNA
 <213> Artificial

 <220>
 <223> Synthetic construct.

 <400> 48
 ccatggttcc agagtcttca ggtaccgaag acgttccagg tgtaggctaa taagctt 57

 <210> 49
 <211> 400
 <212> PRT
 <213> Artificial

 <220>
 <223> Synthetic construct.

 <400> 49

133-02 US SEQ LIST 20nov2003.ST25.txt

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1 5 10 15

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
20 25 30

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
35 40 45

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
50 55 60

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
85 90 95

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
100 105 110

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
130 135 140

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
180 185 190

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
210 215 220

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
225 230 235 240

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
245 250 255

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
260 265 270

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
275 280 285

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
290 295 300

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
305 310 315 320

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
325 330 335

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
340 345 350

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
355 360 365

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
370 375 380

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
385 390 395 400

<210> 50
<211> 410
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 50

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1 5 10 15

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
20 25 30

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
50 55 60

133-02 US SEQ LIST 20nov2003.ST25.txt

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
180 185 190

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
210 215 220

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
225 230 235 240

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
245 250 255

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
260 265 270

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
275 280 285

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
290 295 300

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
305 310 315 320

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
325 330 335

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
340 345 350

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
355 360 365

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
370 375 380

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
385 390 395 400

Val Pro Ala Val Gly Ile Pro Ala Val Gly
405 410

<210> 51
<211> 821
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<220>
<221> MISC_FEATURE
<222> (411)..(411)
<223> X at position 411 represents an optionally selected midblock structure.

<400> 51

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1 5 10 15

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
20 25 30

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
50 55 60

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
180 185 190

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
210 215 220

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
225 230 235 240

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
245 250 255

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
260 265 270

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
275 280 285

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
290 295 300

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
305 310 315 320

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
325 330 335

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
340 345 350

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
355 360 365

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
370 375 380

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
385 390 395 400

Val Pro Ala Val Gly Ile Pro Ala Val Gly Xaa Val Pro Ala Val Gly
405 410 415

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
420 425 430

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
435 440 445

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
450 455 460

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
465 470 475 480

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
485 490 495

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
500 505 510

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
515 520 525

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
530 535 540

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
545 550 555 560

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
565 570 575

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
580 585 590

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
595 600 605

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
610 615 620

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
625 630 635 640

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
645 650 655

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
660 665 670

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
675 680 685

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
690 695 700

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
705 710 715 720

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
725 730 735

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
740 745 750

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
755 760 765

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
770 775 780

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
785 790 795 800

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
805 810 815

Ile Pro Ala Val Gly
820

<211> 1580
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic construct.

<400> 52

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 1 5 10 15

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
 20 25 30

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 50 55 60

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
 65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
 115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
 145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
 165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 180 185 190

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 210 215 220

133-02 US SEQ LIST 20nov2003.ST25.txt

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 225 230 235 240
 Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
 245 250 255
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 260 265 270
 Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 275 280 285
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
 290 295 300
 Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 305 310 315 320
 Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 325 330 335
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
 340 345 350
 Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 355 360 365
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
 370 375 380
 Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 385 390 395 400
 Val Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Gly Val Gly Val
 405 410 415
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 420 425 430
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 435 440 445
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 450 455 460
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 Page 55

465 470 475 480
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 485 490 495
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 500 505 510
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 515 520 525
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 530 535 540
 Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 545 550 555 560
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 565 570 575
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 580 585 590
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 595 600 605
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 610 615 620
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 625 630 635 640
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 645 650 655
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 660 665 670
 Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 675 680 685
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 690 695 700
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 705 710 715 720

Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 725 730 735
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 740 745 750
 Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 755 760 765
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 770 775 780
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 785 790 795 800
 Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 805 810 815
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 820 825 830
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 835 840 845
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 850 855 860
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 865 870 875 880
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 885 890 895
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 900 905 910
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 915 920 925
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 930 935 940
 Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 945 950 955 960
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 965 970 975

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
980 985 990

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
995 1000 1005

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1010 1015 1020

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
1025 1030 1035

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1040 1045 1050

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1055 1060 1065

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1070 1075 1080

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1085 1090 1095

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
1100 1105 1110

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1115 1120 1125

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1130 1135 1140

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
1145 1150 1155

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Ala
1160 1165 1170

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1175 1180 1185

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1190 1195 1200

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1205 1210 1215

133-02 US SEQ LIST 20nov2003.ST25.txt

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1220 1225 1230
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
 1235 1240 1245
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1250 1255 1260
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 1265 1270 1275
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1280 1285 1290
 Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1295 1300 1305
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
 1310 1315 1320
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1325 1330 1335
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 1340 1345 1350
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1355 1360 1365
 Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1370 1375 1380
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
 1385 1390 1395
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1400 1405 1410
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 1415 1420 1425
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1430 1435 1440
 Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala

1445

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1460 1465 1470

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1475 1480 1485

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1490 1495 1500

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1505 1510 1515

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1520 1525 1530

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1535 1540 1545

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1550 1555 1560

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1565 1570 1575

Val Gly
1580

<210> 53
<211> 2030
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 53

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1 5 10 15

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
20 25 30

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
50 55 60

133-02 US SEQ LIST 20nov2003.ST25.txt

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
180 185 190

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
210 215 220

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
225 230 235 240

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
245 250 255

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
260 265 270

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
275 280 285

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
290 295 300

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly

305 310 315 320
 Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 325 330 335
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
 340 345 350
 Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 355 360 365
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
 370 375 380
 Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 385 390 395 400
 Val Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Gly Val Gly Val
 405 410 415
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
 420 425 430
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 435 440 445
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
 450 455 460
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
 465 470 475 480
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 485 490 495
 Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
 500 505 510
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 515 520 525
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 530 535 540
 Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
 545 550 555 560

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 565 570 575
 Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 580 585 590
 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 595 600 605
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
 610 615 620
 Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 625 630 635 640
 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val
 645 650 655
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 660 665 670
 Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 675 680 685
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu
 690 695 700
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 705 710 715 720
 Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
 725 730 735
 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
 740 745 750
 Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 755 760 765
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val
 770 775 780
 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
 785 790 795 800
 Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
 805 810 815

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
820 825 830

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
835 840 845

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val
850 855 860

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly
865 870 875 880

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
885 890 895

Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro
900 905 910

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
915 920 925

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
930 935 940

Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly
945 950 955 960

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
965 970 975

Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
980 985 990

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
995 1000 1005

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1010 1015 1020

Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
1025 1030 1035

Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1040 1045 1050

Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
1055 1060 1065

133-02 US SEQ LIST 20nov2003.ST25.txt

Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 1070 1075 1080
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1085 1090 1095
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 1100 1105 1110
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1115 1120 1125
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1130 1135 1140
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 1145 1150 1155
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1160 1165 1170
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
 1175 1180 1185
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1190 1195 1200
 Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1205 1210 1215
 Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly
 1220 1225 1230
 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
 1235 1240 1245
 Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly
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 1280 1285 1290
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 Page 65

1295

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133-02 US SEQ LIST 20nov2003.ST25.txt

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Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
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133-02 US SEQ LIST 20nov2003.ST25.txt

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
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 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 1865 1870 1875
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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 1970 1975 1980
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Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
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115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
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Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
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Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
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133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
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225 230 235 240

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
245 250 255

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
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Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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305 310 315 320

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
325 330 335

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Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
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Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
385 390 395 400

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133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
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Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
Page 71

675

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740 745 750

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
755 760 765

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
770 775 780

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
785 790 795 800

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805 810 815

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Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
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133-02 US SEQ LIST 20nov2003.ST25.txt

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133-02 US SEQ LIST 20nov2003.ST25.txt

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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<400> 57

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<400> 58

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Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
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Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
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Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
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Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
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Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
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 195 200 205

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Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
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 370 375 380

133-02 US SEQ LIST 20nov2003.ST25.txt

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
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Pro Gly Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
420 425 430

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
435 440 445

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
450 455 460

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
465 470 475 480

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
485 490 495

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133-02 US SEQ LIST 20nov2003.ST25.txt

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675 680 685

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
690 695 700

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133-02 US SEQ LIST 20nov2003.ST25.txt

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115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
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Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
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133-02 US SEQ LIST 20nov2003.ST25.txt

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370 375 380

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Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro
420 425 430

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435 440 445

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465 470 475 480

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485 490 495

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Val Pro Gly Val Gly Val Pro Gly Glu Gly Val Pro Gly Val Gly Val
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740 745 750

Gly Glu Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
755 760 765

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770 775 780

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785 790 795 800

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133-02 US SEQ LIST 20nov2003.ST25.txt

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133-02 US SEQ LIST 20nov2003.ST25.txt

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 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 1475 1480 1485
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala

1490

Val Gly 1505	Ile Pro Ala	Val Gly 1510	Ile Pro Ala	Val Gly 1515	Ile Pro Ala
Val Gly 1520	Val Pro Ala	Val Gly 1525	Ile Pro Ala	Val Gly 1530	Ile Pro Ala
Val Gly 1535	Ile Pro Ala	Val Gly 1540	Ile Pro Ala	Val Gly 1545	Val Pro Ala
Val Gly 1550	Ile Pro Ala	Val Gly 1555	Ile Pro Ala	Val Gly 1560	Ile Pro Ala
Val Gly 1565	Ile Pro Ala	Val Gly 1570	Val Pro Ala	Val Gly 1575	Ile Pro Ala
Val Gly 1580	Ile Pro Ala	Val Gly 1585	Ile Pro Ala	Val Gly 1590	Ile Pro Ala
Val Gly 1595	Val Pro Ala	Val Gly 1600	Ile Pro Ala	Val Gly 1605	Ile Pro Ala
Val Gly 1610	Ile Pro Ala	Val Gly 1615	Ile Pro Ala	Val Gly 1620	Val Pro Ala
Val Gly 1625	Ile Pro Ala	Val Gly 1630	Ile Pro Ala	Val Gly 1635	Ile Pro Ala
Val Gly 1640	Ile Pro Ala	Val Gly 1645	Val Pro Ala	Val Gly 1650	Ile Pro Ala
Val Gly 1655	Ile Pro Ala	Val Gly 1660	Ile Pro Ala	Val Gly 1665	Ile Pro Ala
Val Gly 1670	Val Pro Ala	Val Gly 1675	Ile Pro Ala	Val Gly 1680	Ile Pro Ala
Val Gly 1685	Ile Pro Ala	Val Gly 1690	Ile Pro Ala	Val Gly 1695	Val Pro Ala
Val Gly 1700	Ile Pro Ala	Val Gly 1705	Ile Pro Ala	Val Gly 1710	Ile Pro Ala
Val Gly 1715	Ile Pro Ala	Val Gly 1720	Val Pro Ala	Val Gly 1725	Ile Pro Ala

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1730 1735 1740

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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Val Gly Ile Pro Ala Val Gly
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Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
50 55 60

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
145 150 155

145 150 155 160
 Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
 165 170 175
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 180 185 190
 Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 195 200 205
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 210 215 220
 Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 225 230 235 240
 Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
 245 250 255
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 260 265 270
 Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 275 280 285
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
 290 295 300
 Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 305 310 315 320
 Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 325 330 335
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
 340 345 350
 Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 355 360 365
 Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
 370 375 380
 Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 385 390 395 400

Val Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Gly Val Gly Ala
 405 410 415
 Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
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 485 490 495
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 515 520 525
 Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
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 545 550 555 560
 Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
 565 570 575
 Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
 580 585 590
 Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
 595 600 605
 Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
 610 615 620
 Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
 625 630 635 640
 Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
 645 650 655

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
660 665 670

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
675 680 685

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
690 695 700

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
705 710 715 720

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
725 730 735

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
740 745 750

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
755 760 765

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
770 775 780

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
785 790 795 800

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
805 810 815

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
820 825 830

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
835 840 845

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
850 855 860

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
865 870 875 880

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
885 890 895

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
900 905 910

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala
915 920 925

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala
930 935 940

Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly Ala Pro Gly Gly Val
945 950 955 960

Pro Gly Gly Ala Pro Gly Gly Val Pro Gly Val Gly Val Pro Ala Val
965 970 975

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
980 985 990

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
995 1000 1005

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
1010 1015 1020

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1025 1030 1035

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
1040 1045 1050

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1055 1060 1065

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1070 1075 1080

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
1085 1090 1095

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1100 1105 1110

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
1115 1120 1125

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1130 1135 1140

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
Page 91

1145

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
1160 1165 1170

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1175 1180 1185

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
1190 1195 1200

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1205 1210 1215

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1220 1225 1230

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
1235 1240 1245

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1250 1255 1260

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
1265 1270 1275

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1280 1285 1290

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1295 1300 1305

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
1310 1315 1320

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1325 1330 1335

Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
1340 1345 1350

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
1355 1360 1365

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
1370 1375 1380

133-02 US SEQ LIST 20nov2003.ST25.txt

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<400> 61

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Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
 20 25 30

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 50 55 60

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
 65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
 115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
 145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
 165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 180 185 190

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 210 215 220 225

210

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
225 230 235 240

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
245 250 255

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
260 265 270

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
275 280 285

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
290 295 300

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
305 310 315 320

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
325 330 335

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
340 345 350

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
355 360 365

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
370 375 380

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
385 390 395 400

Val Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Gly Val Gly Val
405 410 415

Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro
420 425 430

Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro Asn
435 440 445

Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val
450 455 460

Gly Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly
 465 470 475 480
 Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val
 485 490 495
 Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro
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 565 570 575
 Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro
 580 585 590
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 595 600 605
 Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro Asn Val
 610 615 620
 Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly
 625 630 635 640
 Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val
 645 650 655
 Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly Val Pro
 660 665 670
 Asn Val Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Asn
 675 680 685
 Val Gly Val Pro Gly Val Gly Val Pro Asn Val Gly Val Pro Asn Val
 690 695 700
 Gly Val Pro Asn Val Gly Val Pro Asn Val Gly Val Pro Gly Val Gly
 705 710 715 720

133-02 US SEQ LIST 20nov2003.ST25.txt

Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 725 730 735
 Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
 740 745 750
 Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
 755 760 765
 Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 770 775 780
 Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
 785 790 795 800
 Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
 805 810 815
 Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 820 825 830
 Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
 835 840 845
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 850 855 860
 Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
 865 870 875 880
 Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
 885 890 895
 Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
 900 905 910
 Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
 915 920 925
 Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
 930 935 940
 Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
 945 950 955 960
 Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
 965 970 975

133-02 US SEQ LIST 20nov2003.ST25.txt

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
980 985 990

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
995 1000 1005

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1010 1015 1020

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1025 1030 1035

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1040 1045 1050

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1055 1060 1065

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1070 1075 1080

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1085 1090 1095

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1100 1105 1110

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1115 1120 1125

Val Gly
1130

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<400> 62

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Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro
20 25 30

133-02 US SEQ LIST 20nov2003.ST25.txt

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
35 40 45

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
50 55 60

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly
65 70 75 80

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile
85 90 95

Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
100 105 110

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
115 120 125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
130 135 140

Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
145 150 155 160

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val
165 170 175

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
180 185 190

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
195 200 205

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
210 215 220

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
225 230 235 240

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
245 250 255

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
260 265 270

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
275 280 285

133-02 US SEQ LIST 20nov2003.ST25.txt

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val
290 295 300

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
305 310 315 320

Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile
325 330 335

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro
340 345 350

Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
355 360 365

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val
370 375 380

Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
385 390 395 400

Val Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Gly Val Gly Val
405 410 415

Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro
420 425 430

Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
435 440 445

Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val
450 455 460

Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly
465 470 475 480

Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
485 490 495

Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro
500 505 510

Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly
515 520 525

Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val

530

Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly
545 550 555 560

Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val
565 570 575

Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro
580 585 590

Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly
595 600 605

Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile
610 615 620

Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly
625 630 635 640

Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val
645 650 655

Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
660 665 670

Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly
675 680 685

Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val
690 695 700

Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
705 710 715 720

Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val
725 730 735

Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro
740 745 750

Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly
755 760 765

Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile
770 775 780

Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly
785 790 795 800

Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val
805 810 815

Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro
820 825 830

Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
835 840 845

Ile Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val
850 855 860

Gly Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly
865 870 875 880

Val Pro Gly Ile Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
885 890 895

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
900 905 910

Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
915 920 925

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val
930 935 940

Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly
945 950 955 960

Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile
965 970 975

Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro
980 985 990

Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
995 1000 1005

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1010 1015 1020

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1025 1030 1035

133-02 US SEQ LIST 20nov2003.ST25.txt

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1040 1045 1050

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
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Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1070 1075 1080

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1085 1090 1095

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1100 1105 1110

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1115 1120 1125

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1130 1135 1140

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1145 1150 1155

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1160 1165 1170

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1175 1180 1185

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1190 1195 1200

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1205 1210 1215

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1220 1225 1230

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Val Pro Ala
1235 1240 1245

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1250 1255 1260

Val Gly Ile Pro Ala Val Gly Val Pro Ala Val Gly Ile Pro Ala
1265 1270 1275

Val Gly Ile Pro Ala Val Gly Ile Pro Ala Val Gly Ile Pro Ala
1280 1285 1290

Val Gly Val Pro Ala Val Gly Ile Pro Ala Val Gly
1295 1300 1305

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<213> Artificial

<220>
<223> Synthetic construct.

<400> 63

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Pro Gly Met Gly Val Pro Gly Met Gly
20 25

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<211> 25
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 64

Val Pro Gly Val Gly Val Pro Gly Ile Gly Val Pro Gly Val Gly Val
1 5 10 15

Pro Gly Ile Gly Val Pro Gly Val Gly
20 25

<210> 65
<211> 12
<212> PRT
<213> Artificial

<220>
<223> Synthetic construct.

<400> 65

Ala Pro Gly Gly Val Pro Gly Gly Ala Pro Gly Gly
1 5 10

<210> 66
<211> 25
<212> PRT

<213> Artificial

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<223> Synthetic construct.

<400> 66

Val Pro Gly Val Gly Ile Pro Gly Val Gly Val Pro Gly Val Gly Ile
1 5 10 15

Pro Gly Val Gly Val Pro Gly Val Gly
20 25

<210> 67

<211> 5

<212> PRT

<213> Artificial

<220>

<223> Synthetic construct.

<400> 67

Val Pro Gly Met Gly
1 5

<210> 68

<211> 25

<212> PRT

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<400> 68

Val Pro Gly Met Gly Val Pro Gly Met Gly Val Pro Gly Met Gly Val
1 5 10 15

Pro Gly Met Gly Val Pro Gly Met Gly
20 25